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Record Display

Record 5

Serial number TDB0693.0434

Field Name	Contents of Record 5
Size of Record	3634 total bytes in record, 3440 in TX field
Title	Display of Multiple Video Windows for Personal Conferencing
Publication Date	June, 1993
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1. Eye to Eye Contact for Desk to Desk ...
Publication Date: July, 1992
Eye to Eye Contact for Desk to Desk **Video Conferencing**.

2. Beginning of Chapter 1: A Perspective *and* ...
Publication Date: January 1, 1981
Beginning of Chapter 1: A Perspective *and* INTRODUCTION

3. Multi-point Video Transmission Over Token Ring LAN
Publication Date: June, 1993
Multi-point Video Transmission Over Token Ring LAN

4. (Part 2 of 2) Electronic Phone Book for ...
Publication Date: June, 1993
(Part 2 of 2) Electronic Phone Book for **Video Conferencing**

5. Display of Multiple Video Windows for Personal ...
Publication Date: June, 1993
Display of Multiple Video Windows for Personal Conferencing

6. Camera for Desk Top ...
Publication Date: September, 1992
Camera for Desk Top **Video Conferencing**.

7. Packet communication of online speech [From LITERATURE ...
Publication Date: November 1, 1981
Packet communication of online speech [From LITERATURE OTHER THAN BOOKS; [3.
APPLICATIONS] ; [3.8] REAL-TIME SYSTEMS APPLICATIONS; 3.81 Communications]

8. (Part 1 of 2) PARALLEL DSP FOR DESIGNING ADAPTIVE FILTERS ...
Publication Date: January, 1992
(Part 1 of 2) PARALLEL DSP FOR DESIGNING ADAPTIVE FILTERS (Paralleled DSP chips
implement the filter; here's how to program them)

9. (Part 1 of 2) Electronic Phone Book for ...
Publication Date: June, 1993
(Part 1 of 2) Electronic Phone Book for **Video Conferencing**

10. Automatic Cueing of ...
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Automatic Cueing of **Video Conferencing** Cameras by Sound.

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This page was last revised 12/5/96 by wem, bill@spi.org.

IEEE/IEE Publications Ondisc Jan 1990 - Nov 1996

Search Options:
    Search for both singular and plurals: YES
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    Display intermediate result sets   : NO

Num   Search   Hits
#1   conferencing and (multimedia or video) and (setup   8
        or call or caller)   .

Text of Submission	Disclosed is a technique by which one or more video images can be displayed on the screen of a Graphical User Interface (GUI) windowing system for personal **video conferencing**. Each image displayed corresponds to a party in P2P conference call. All images from a conference call are within a single window, allowing easier manipulation of the conference by a user. Action Media II support within the IBM P2P by RPQ embodies this scheme. Person-to-Person conferencing (P2P) represents the covergence of high performance communication channels (e.g., LAN, ISDN) with advanced workstation and multi-media technologies (e.g., video compression), to provide interactive communication of data, voice and video between desktop workstations. Like teleconferencing, it permits collaboration without the users having to be in the same place at the same time. Once of the types of data which is communicated between P2P users is motion video that requires a piece of hardware, such as the Intel/IBM ActioMedia II (AMII) card set, to capture, compress, decompress and display full duplex motion video information streams. For personal **video conferencing,** a user requires a video adapter such as ActionMedia II which performs delivery functions including: 1. Transfer of compressed video information from the host personal computer or workstation (PC/WS). 2. Decompression of video information. 3. Display of the decompressed video image in a window on the PC/WS main display. 4. Sealing, clipping and windowing of the displayed image. In addition, the video adapter may optionally have a capability which allows it to perform capture functions including. 1. Analogue-to-digital conversion of an incoming video signal from a TV camera pointing at the local user. 2. Digital compression of the video signal. 3. Transfer of the compressed video on a frame-by-frame basis to the PC/WS. When the user is not in conference with any other users, a single video image will be displayed in a window on the PC/WS screen. If the local user has a TV camera and capture facility attached to his/her video adapter, the user's image will be shown in the single video image. Otherwise, a message will be displayed indicating that video is not available. A local video image would normally be displayed in a 'mirror image' mode as this is the view that a user would consider most natural. A text line would also be displayed under the image indicating that person's name. When a conference link is established with one or more other users, there are two possible actions selectable by a user option. 1. The single video image will switch from the local image to the other person in a two-way conference or the person currently speaking in a multi-way conference. 2. The video window will increase in size horizontally to include images of the other people in the conference. As with the local window, a message 'no video available' wil be displayed in the window image from any person who does not have a TV camera or a video capture option. A privacy option allows an individual user to disable the video from his/her TV camera being sent to other users in conference. A message 'privacy set' will be displayed in any remote window for each user who has requested this option. As with any other windows in a Graphical User Interface (GUI) environment, the video window can be: sized; minimized to an icon or maximized to fill an entire screen.

Reference (pointer to work)	IBM TDB v36 n6A 06-93 p45-46 Order: 93A 61237
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